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APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO	
09 987,003	11 13 2001	Satoshi Seo	740756-2389	6380	
22204	7590 04 01 2003				
NIXON PEABODY, LLP			EXAMINER		
8180 GREENSBORO DRIVE SUITE 800		NEGRON, ISMAEL			
MCLEAN, V	A 22102		ART UNIT	PAPER NUMBER	
			2875		

Please find below and/or attached an Office communication concerning this application or proceeding.

	A	pplication No).	Applicant(s)	
		9/987,003		SEO, SATOSHI	-
Office Action Summa	ery E	xaminer		Art Unit	
	Is	mael Negron		2875	
The MAILING DATE of this cor Period for Reply	mmunication appear	rs on the cov	er sheet with the c	orrespondence addres	s
A SHORTENED STATUTORY PERI THE MAILING DATE OF THIS COM. - Extensions of time may be available under the pro- after SIX (6) MONTHS from the mailing date of th - If the period for reply specified above is less than - If NO period for reply is specified above, the maxi - Failure to reply within the set or extended period f - Any reply received by the Office later than three m earned patent term adjustment. See 37 CFR 1.70	IMUNICATION. ovisions of 37 CFR 1.136(a) his communication thirty (30) days, a reply with imum statutory period will agror reply will, by statute, cau nonths after the mailing date). In no event, how nin the statutory morphy and will expire se the application	vever, may a reply be tin inimum of thirty (30) day s SIX (6) MONTHS from to become ABANDONE	nely filed s will be considered timely the mailing date of this commut	nication
1) Responsive to communication	n(s) filed on <u>13 Nove</u>	<u>ember 2001</u>			
2a) This action is FINAL .	2b)⊠ This a	ction is non-	final.		
Since this application is in corclosed in accordance with the disposition of Claims	ndition for allowance practice under <i>Ex</i> p	e except for t parte Quayle	ormal matters, pr , 1935 C.D. 11, 4	osecution as to the me 53 O.G. 213.	erits is
4) Claim(s) 1-68 is/are pending in	n the application.				
4a) Of the above claim(s)	_ is/are withdrawn f	rom conside	ration.		
5) Claim(s) is/are allowed.					
6) Claim(s) <u>1-68</u> is/are rejected.					
7) Claim(s) is/are objected	to.				
8) Claim(s) are subject to repplication Papers	estriction and/or ele	ection require	ement.		
9) The specification is objected to I	by the Examiner.				
10) The drawing(s) filed on is	s/are: a) accepted	or b) objec	ted to by the Exar	niner.	
Applicant may not request that ar	ny objection to the dra	awing(s) be he	ld in abeyance. Se	ee 37 CFR 1.85(a).	
11) The proposed drawing correction	n filed on is:	a) approv	ed b) disappro	ved by the Examiner.	
If approved, corrected drawings a	are required in reply to	this Office ad	tion.		
12) The oath or declaration is object	ted to by the Examir	ner.			
riority under 35 U.S.C. §§ 119 and 120	0				
13) Acknowledgment is made of a c	claim for foreign prid	ority under 3	5 U.S.C. § 119(a)	-(d) or (f).	
a)⊠ All b)□ Some * c)□ None	e of:				
1. Certified copies of the pri	iority documents ha	ve been rece	eived.		
2. Certified copies of the pri	ority documents ha	ve been rece	eived in Applicatio	n No	
3. Copies of the certified copaphication from the Int See the attached detailed Office	nternational Bureau	(PCT Rule	17.2(a)).	·	e
14) Acknowledgment is made of a cla			•		ication)
a) The translation of the foreig	ın language provisio	onal applicati	on has been rece	eived.	,
tachment(s)	,	,	55 - 2	- ··	
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Revi Information Disclosure Statement(s) (PTO-14 		4)		(PTO-413) Paper No(s) atent Application (PTO-152)	
atent and Trademark 0" de -326 (Rev. 04-01)	Office Action	Summary		Part of Pape	r N o 5

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DETAILED ACTION

Title

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: **Electroluminescent Device having Drying Agent**.

Abstract

Applicant is reminded of the proper content of an abstract of the disclosure.

A patent abstract is a concise statement of the technical disclosure of the patent and should include that which is new in the art to which the invention pertains. If the patent is of a basic nature, the entire technical disclosure may be new in the art, and the abstract should be directed to the entire disclosure. If the patent is in the nature of an improvement in an old apparatus, process, product, or composition, the abstract should include the technical disclosure of the improvement. In certain patents, particularly those for compounds and compositions, wherein the process for making and/or the use thereof are not obvious, the abstract should set forth a process for making and/or use thereof. If the new technical disclosure involves modifications or alternatives, the abstract should mention by way of example the preferred modification or alternative.

The abstract should not refer to purported merits or speculative applications of the invention and should not compare the invention with the prior art.

Where applicable, the abstract should include the following:

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- (1) if a machine or apparatus, its organization and operation;
- (2) if an article, its method of making;
- (3) if a chemical compound, its identity and use;
- (4) if a mixture, its ingredients;
- (5) if a process, the steps.

Extensive mechanical and design details of apparatus should not be given.

2. The abstract of the disclosure is objected to because it fails to adequately describe the claimed invention. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-4, 12-15, 23-28, 36-41, 49-51 and 59-61 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawami et al. (U.S. Pat. 5,882,761) in view of Southwick, Jr. (U.S. Pat. 2,578,324).

Kawami et al. discloses an illumination device having;

a container sealed off from the atmosphere, Figure 1, reference number 10:

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- an organic electroluminescent element (OELE) located in the container, Figure 1, reference number 4;
- a drying agent located in the container, Figure 1, reference number 8;
- the drying agent chemically absorbing moisture and maintaining its solid state after the moisture absorption, column 4, lines 35-37;
- the drying agent including one of an alkaline metal oxide and an alkaline-earth metal oxide, column 4, lines 43-47;
- the drying compound including sodium oxide (Na₂O), column 4, lines 48 and 49;
- the drying compound including calcium oxide (CaO), column 4,
 line 51;
- the container including a substrate formed separately from the OELE, Figure 1, reference number 7;
- the drying agent being in contact with the substrate, Figure 1;
- the container having a concave inner portion where the drying agent is contained, Figure 1, reference number 11; and
- the illumination device being incorporated into an OELE display device, column 1, lines 6-9.

Kawami et al. discloses all the limitations of the claims, except the drying agent including a porous body with a porosity of 20% or more.

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Southwick, Jr. discloses a drying pouch having a drying agent (Figure 3) contained inside a porous pouch (Figure 2), such porous pouch allowing the absorption of moisture at increased rates (column 1, lines 40-43).

It would have been obvious to one of ordinary skill in the art at the time the claimed invention was made to include a porous member having a porosity of 20% or more, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only ordinary skill in the art. *In re Aller*, 105 USPQ 233. In this case Southwick discloses the advantages of containing the drying agent inside a porous membrane, such member having a relatively high moisture permeability (column 1, lines 27-29). Determining the specific permeability of such porous membrane would have flown naturally to one of ordinary skill in the art.

4. Claims 5-11, 16-22, 29-35, 42-48, 52-58 and 62-68 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawami et al. (U.S. Pat. 5,882,761) in view of Southwick, Jr. (U.S. Pat. 2,578,324).

The combined teachings of Kawami et al. and Southwick, Jr. disclose, or suggest in combination (see Section 3 of the instant Office Action) all the limitations of the claims, except the illumination device being incorporated in one of a video camera, a digital camera, an image reproduction apparatus, a portable computer, a mobile telephone, a personal computer and an acoustic equipment.

The examiner takes Official Notice that the use of OELE devices is old and well known in the illumination art. It would have been obvious to one of ordinary skill in the

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art at the time the invention was made to use the OELE of Kawami et al. and Southwick, Jr. in one of the cited apparatus. One would have been motivated since OELE are recognized in the illumination art to have many desirable advantages, including reduced size and thickness, high efficiency, low power consumption, long life, resistance to vibrations, and low heat production, over other light sources. See Section 5 of the instant Office Action.

Relevant Prior Art

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Gary et al. (U.S. Pat. 2,548,780), Adler (U.S. Pat. 3,084,984), Farrell et al. (U.S. Pat.,425,410) and Duggal (U.S. Pat. 6,465,953) discloses drying agents contained inside porous layers.

Hirotaka et al. (U.S. Pat. 5,013,967), Yamazaki (U.S. Pat. 6,432,561) and Yamazaki et al. (U.S. Pat. 6,445,005) disclose organic display devices including drying agents for increasing the life of the device. Both Yamazaki and Yamazaki et al. specifically disclose the use of OELE in various electronics devices such as display monitors, video and digital cameras, audio equipment and computers.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ismael Negron whose telephone number is (703) 308-6086. The examiner can normally be reached on Monday-Friday from 9:00 A.M. to 6:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra L. O'Shea, can be reached on (703) 305-4939. The facsimile machine number for the Art Group is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Inr

March 20, 2003